B13 Cont'd

partially overlapping said receptor coil, and wrapped around and mostly overlapping said receptor coil.

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B14

5. (Twice Amended) The apparatus [of] as recited in claim 24, wherein said receptor coil and said inducing coil [having] have a turns ratio from the group of turns ratios consisting of up to about 20:1, greater than about 20:1, and about 17.5:1, respectively.

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B15

9. (Twice Amended) The apparatus [of] as recited in claim 24, wherein said apparatus includes [including] at least one amplifier for enabling said enhanced electronic audio signal to be processed into audible sound.

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B16

12. (Amended) An apparatus for enhancing the quality of [electronic] audio signals comprising:

an input stage having a field inducing coil with a plurality of turns through which input electronic audio signals are to be transmitted to set-up an electromagnetic field; and

an output stage having an electromagnetic field receptor coil with a plurality of turns and an output, said receptor coil having a greater number of turns than said inducing coil, said inducing coil being disposed around and weakly coupled to said receptor coil such that when an input [electronic] audio signal is transmitted through said field inducing coil, an enhanced electronic audio signal is available at said output having an enhanced harmonic content compared to that of the input [electronic] audio signal.

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B17 Cont

14. (Twice Amended) The method [of] as recited in claim [28] 35, wherein said method further [comprising] comprises the step of:

processing the [at least one] enhanced [electronic]

audio signal into audible sound.

B17 Cancel

15. (Twice Amended) The method [of] as recited in claim [28] 35, wherein said method further [comprising] comprises the step of:

recording [said at least one] the enhanced [electronic] audio signal onto a recording medium.

B18

17. (Amended) A recording medium having at least one enhanced [electronic] audio signal recorded thereon by the method of claim 15.

B19

18. (Twice Amended) The recording medium [of] as recited in claim 17, wherein said recording medium is at least one of a magnetic recording medium[, a magnetic tape medium,] and an optical recording [disk] medium.

B20

24. (Amended) The apparatus [of] as recited in claim [21] 31, wherein said circuit comprises:

an input stage having a field inducing coil with a plurality of turns through which input [electronic] audio signals are to be transmitted to set-up an electromagnetic field; and

an output stage having an electromagnetic field receptor coil with a plurality of turns and an output, said receptor coil having a greater number of turns than said inducing coil, said inducing coil and said receptor coil being weakly coupled such that when [an] the input audio signal is transmitted through said field inducing coil, [an] the enhanced audio signal is available at said output.

B21 Cont

28. (Amended) The method as recited in claim [25] 35, wherein said step of distorting [the shape of] the input [electronic] audio signal comprises the steps of:

transmitting the [at least one] input [electronic] audio signal through a field inducing coil having a plurality of turns, thereby setting up an [at least one] electromagnetic field; and

weakly coupling the [at least one] electromagnetic field to an electromagnetic field receptor coil having a greater number of turns than that of the inducing coil to generate [at least one] the enhanced [electronic] audio signal in the receptor coil [having an enhanced harmonic content compared to that of the input electronic audio signal].

29. (Amended) An electronic audio signal enhanced according to the method of claim [25] 35[, wherein said electronic audio signal has a bandwidth within the range of human hearing].

Please cancel claims 8, 10, 21-23, 25-27 and 30 without prejudice or disclaimer.

Please add new claims 31-39 as follows:

31. (New) An apparatus for enhancing the quality of an input audio signal having a plurality of frequencies, said apparatus comprising:

a circuit operatively adapted for distorting the input audio signal transmitted therethrough into an enhanced audio signal by non-linearly amplifying frequencies of the input audio signal such that the enhanced audio signal exhibits an improved harmonic quality compared to that of the input audio signal.

32. (New) The apparatus as recited in claim 31, wherein said circuit is operatively adapted so that when an input audio signal in the form of a square wave is transmitted therethrough,

with the square wave having a bandwidth of frequencies, a low end and a high end, an output signal is produced that is non-linear and includes frequencies which increase in amplitude as per increasing frequencies from a reference frequency toward the high end, over at least a portion of the bandwidth.

33. (New) The apparatus as recited in claims 32, wherein said circuit is further operatively adapted so that when the square wave is transmitted therethrough, the output signal includes frequencies which increase in amplitude as per decreasing frequencies from the reference frequency toward the low end, over at least a portion of the frequency bandwidth.

34. (New) The apparatus as recited in claim 33, wherein the reference frequency of the output signal produced by said circuit is substantially similar in amplitude to that of the input audio signal.

35. (New) A method of enhancing the quality of electronic audio signals, comprising the steps of:

providing an input audio signal having a plurality of frequencies; and

distorting the input audio signal into an enhanced audio signal by non-linearly amplifying frequencies of the input audio signal such that the enhanced audio signal exhibits an improved harmonic quality compared to that of the input audio signal.

36. (New) The method as recited in claim 35, wherein the audio signal being provided has a bandwidth of frequencies with a low end and a high end, and said step of distorting includes non-linearly amplifying a portion of the bandwidth at the high end.